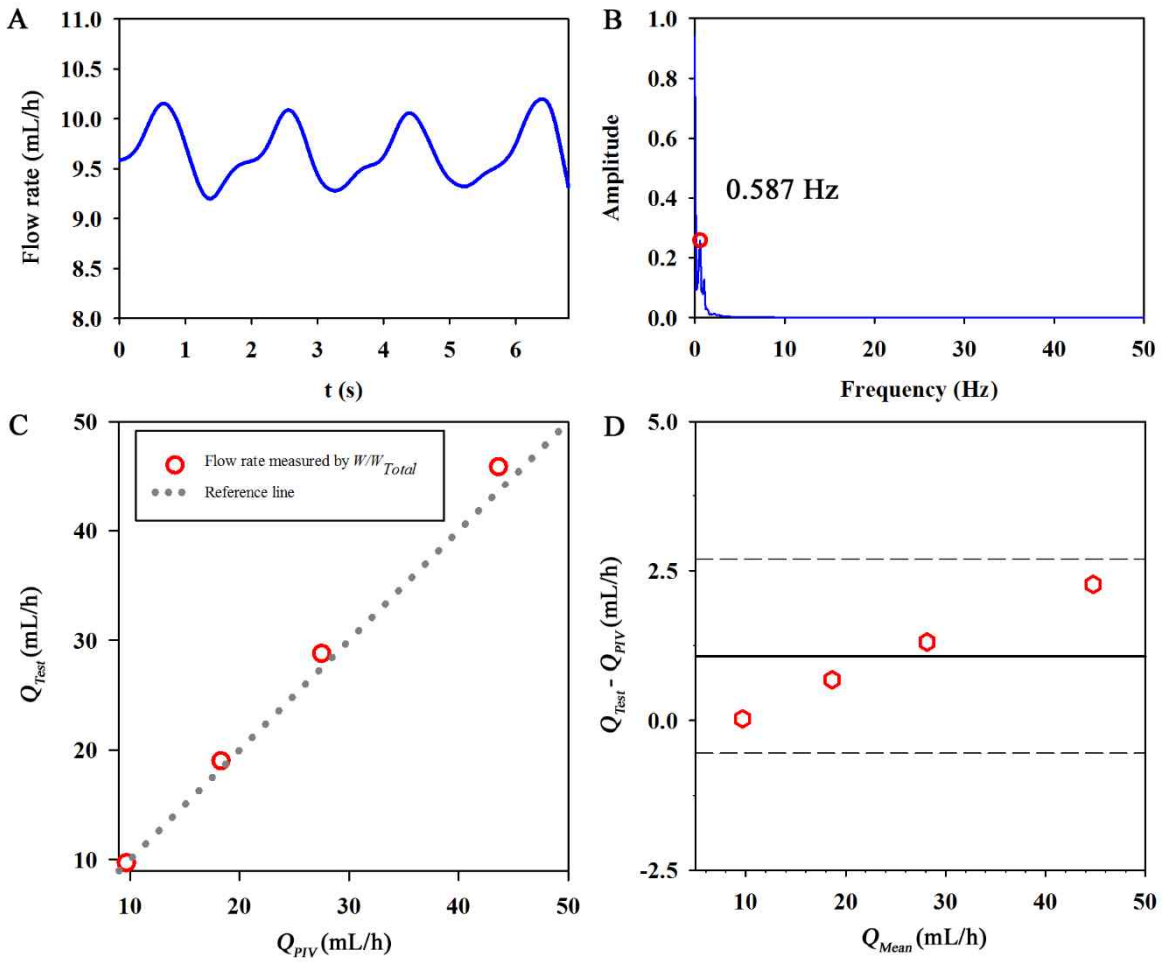
Microfluidics for simultaneous quantification of platelet adhesion and blood viscosity

Eunseop Yeom[1], Jun Hong Park[2], Yang Jun Kang[3] and Sang Joon Lee[2]*



Supplementary Fig. 1 (A) Temporal variation of flow rate at ω_{Speed} =3. To measure the flow rate, a micro-PIV technique is applied to flow images acquired at 5000 fps with a time interval of 0.01 s. **(B)** FFT (Fast Fourier transform) analysis result for the flow rate at ω_{Speed} =3. Red circle indicates the peak value at 0.587 Hz. **(C)** Comparison of flow rates measured by the proposed method (Q_{Test}) and micro-PIV technique (Q_{PIV}) at different ω_{Speed} values. **(D)** Difference between the measured flow rates ($Q_{Test} - Q_{PIV}$) is depicted in the Bland–Altman plot with respect to the average value (Q_{Mean}). A bold line and dashed lines denote the mean value and 95% coverage intervals, respectively.